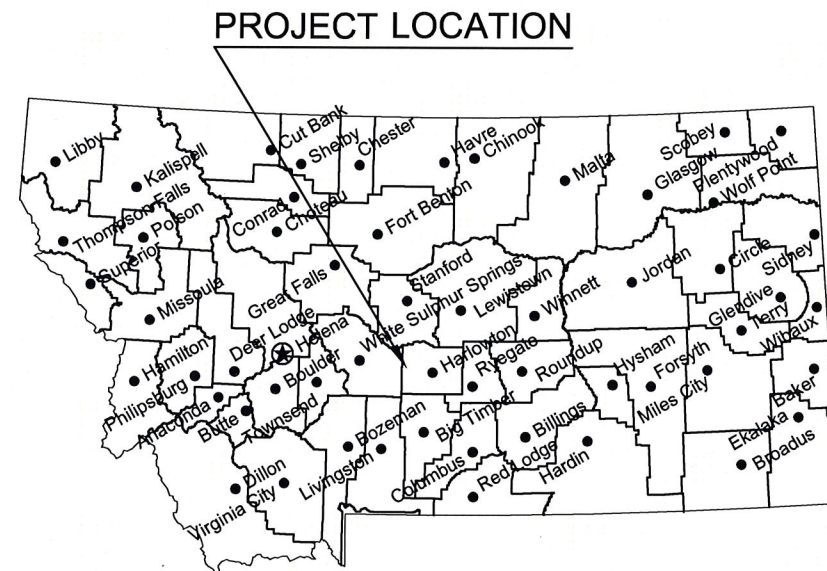


ROAD IMPROVEMENT MARTINSDALE FISHING ACCESS SITE

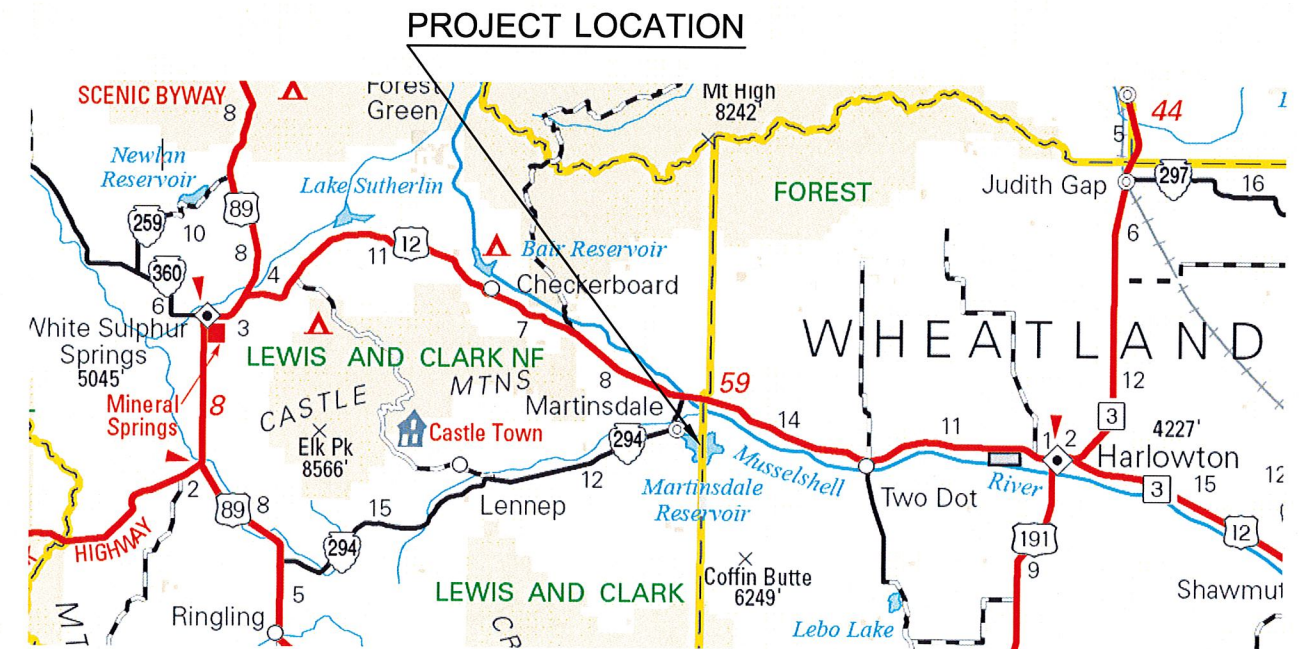
MARTINSDALE, MT

FWP # 7133717



Location Map

No Scale



Vicinity Map

No Scale



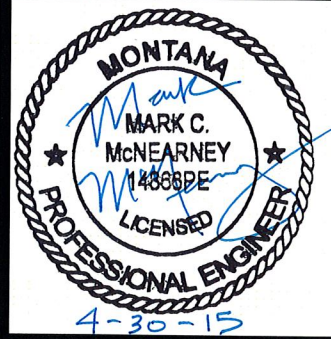
MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION BUREAU

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HELENA, MT 59601

DRAWING INDEX

SHEET 1 : COVER
SHEET 2 : OVERALL SITE PLAN
SHEET 3 : TYPICAL ROAD SECTIONS AND PROJECT NOTES



J. Kevin McDonnell	3.2015				
DRAWN BY:	DATE:	APPROVED BY:	DATE:	APPROVED BY:	DATE:
CHECKED BY:	DATE:	APPROVED BY:	DATE:	APPROVED BY:	DATE:



**Montana Fish,
Wildlife & Parks**

COVER
Martinsdale FAS near Martinsdale, MT



SHEET: 1 of 3



MARTINSDALE FAS

STA 0+00 - STA 9+50 - REFER TO TYPICAL SECTION A- AVERAGE ROAD WIDTH IS 20'
STA 9+50 - STA 18+50 - REFER TO TYPICAL SECTION B - AVERAGE ROAD WIDTH IS 20'
STA 18+50 - STA 21+75 - REFER TO TYPICAL SECTION A - EXPOSED BED ROCK DO NOT
ATTEMPT TO SHAPE EXISTING SURFACE - AVERAGE ROAD WIDTH IS 20'
STA 22+25 - STA 106+25 - REFER TO TYPICAL SECTION A- AVERAGE ROAD WIDTH IS 20'
STA 106+25 - STA 129+27 - REFER TO TYPICAL SECTION A- AVERAGE ROAD WIDTH IS 14'
CAMP LOOP ROAD STA 0+00 - 11+62 - REFER TO TYPICAL SECTION A- AVERAGE ROAD WIDTH IS 12'

LEGEND

—

ACCESS ROAD CENTERLINE

—

EXISTING EDGE OF GRAVEL SURFACE

✕

EXISTING FENCE

—

WATERLINE (AT TIME OF SURVEY)

—

BRIDGE

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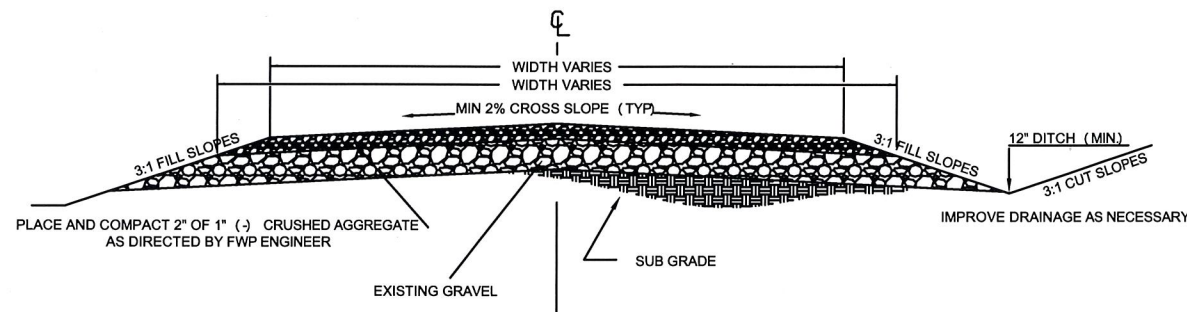


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OVERALL SITE PLAN
Martinsdale FAS near Martinsdale, MT



SHEET:
2
of
3

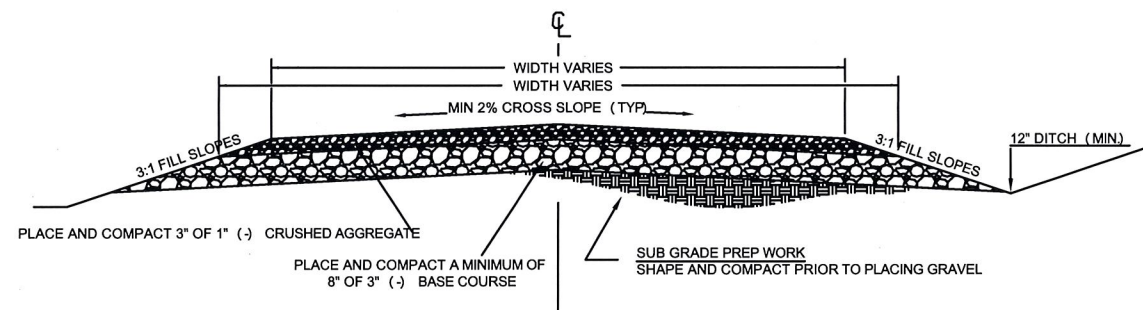


NOTES:

1. SHAPE BLADE THE EXISTING ROAD MATERIAL TO DEPTH SUFFICIENT TO REMOVE POTHOLES, WASHBOARDS, RESTORE CROSS SLOPES AND ESTABLISH UNIFORM GRADES.
2. IMPROVE THE DRAINAGE DITCHES ADJACENT TO ROADS AS NECESSARY.
4. COMPACT REGRADED GRAVEL SURFACE PRIOR TO PLACING NEW CRUSHED GRAVEL SURFACE.
4. PLACE AND COMPACT 2" OF 1" (-) CRUSHED TOP SURFACING AS DIRECTED BY FWP ENGINEER
5. NARROW ROADS (LESS THAN 14') MAY BE CROSS SLOPED IN ONE DIRECTION.

TYPICAL SECTION A : GRADE AND GRAVEL EXISTING ACCESS ROAD

NOT TO SCALE



NOTES:

1. SHAPE AND BLADE THE EXISTING ROAD MATERIAL TO DEPTH SUFFICIENT TO REMOVE POTHOLES, WASHBOARDS, RESTORE CROSS SLOPES AND ESTABLISH UNIFORM GRADES.
2. IMPROVE THE DRAINAGE DITCHES ADJACENT TO ROADS AS NECESSARY.
4. COMPACT ROUGH GRADED SURFACE PRIOR TO PLACING 3" (-) PIT RUN GRAVEL.
4. PLACE AND COMPACT 8" OF 3" (-) PIT RUN GRAVEL.
5. PLACE AND COMPACT 3" OF 1" (-) CRUSHED GRAVEL.

TYPICAL SECTION B : ACCESS ROAD RECONSTRUCTION

NOT TO SCALE

Notes:

- 1) FWP Engineer will stake reference stations, and designate areas under Typical Section A to receive crushed top surfacing.
- 2) The Contractor shall use best management practices to prevent silt, soil and debris from entering the water. This may include straw, gravel or fabric. Temporary dikes to divert rainwater may be used, provided they are removed and the gravel or soil returned to the original condition. Exposed soil may require straw or similar cover to minimize erosion caused by rain. Other appropriate methods may be used at the Contractors' discretion or as directed by the owner.
- 3) Equipment used in or near water shall not leak fluids. It shall be power washed before use on the site and examined by the engineer.
- 4) The total excavation shall include all unclassified excavation, road blading and shaping.
- 5) Transitions from new graveled areas to vegetated areas shall be uniform, well defined, and follow the alignment of the roads and parking layouts.
- 6) The contractor is responsible for locationg and protecting utilities within the construction area including access routes to the construction area.
- 7) The contractor is required to notify and coordinate all work activities with the FWP Project Engineer. Public notification of site closure may be necessary, and requires a minimum notice of seven days.
- 8) Submittals are required on all products used in the project. refer to specifications for submittal requirements.
- 9) Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations.
- 10) Provide all temporary signing, personnel and traffic control devises as required by federal, state and local regulations.
- 11) Geotechnical Information: The soils at the site are loams stratified with coarse gravel. The depth to a restrictive feature is variable.
- 12) The Owner is responsible for obtaining all necessary permits.

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TYPICAL ROAD SECTIONS
Martinsdale FAS near Martinsdale, MT



SHEET:
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of
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